

MAINTAINING SYSTEM FACILITIES

Operate, maintain, repair, rehabilitate and replace the water supply system as needed in order to provide consumers with an uninterrupted supply of water and to protect and preserve the public's investment in a major regional asset.

Philosophy

The Seattle Water Department operates a major water supply system that provides a basic service to customers in a regional service area. The water system has been constructed over nearly a century and delivers an average of 175 million gallons of high quality water to business and residential customers every day. The department recognizes the value of this system and is committed to protecting this important regional asset by implementing a well planned and comprehensive maintenance, repair, rehabilitation and replacement program.

Policy Implementation Guidelines

- (1) Maintain system facilities in a cost-effective manner that maximizes their useful life.
- (2) Centrally plan, manage and coordinate a system maintenance and repair program to insure that all rehabilitation issues are addressed appropriately.
- (3) Apply an integrated system for prioritizing maintenance, repair, rehabilitation and replacement projects considering the following factors:
 - (a) working knowledge of the system,
 - (b) information resulting from more aggressive inspection, evaluation and predictive maintenance programs,
 - (c) practices by comparable utilities,
 - (d) accepted engineering standards, and
 - (e) cost-effectiveness.
- (4) Establish more formal standards for determining how facilities will be maintained.
- (5) Conduct research, investigation and analysis which quantifies nonrevenue water by cause and identifies the costs and benefits of potential programs for reducing nonrevenue water.